**Unit Overview**

**Grade 10 – Geometry – Unit 2 (20-25 days)**

**Congruence**

**Unit Summary**

**Students will prove triangle congruence or use properties of congruence.**

*(Optional) Content Specialists Might Consider:*

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| * Possible misconceptions |
| * Instructional considerations * Could be dynamic as we receive feedback from teachers in the field |
| * Stage 2 and 3 connections (explanations or links) |
| * Curriculum writers should examine what components may need additional support for the classroom teacher; to replace a F2F dialogue |
| * Resources |
| * Cross-curricular connections |
| * Safety Issues (e.g. Science, Physical education) |
| * Identify the sequence of learning for students; the spiraling sequence: for example…*Students are coming into this unit/level/course with learning experiences around… and this unit will focus specifically on \_\_.Students will be able to\_\_\_ next…* |

**Unit Focus**

Triangle sum theorem

Triangle inequality

CPCTC

SAS, ASA, AAS, SSS, HL

Definitions and properties: Midsegment, median, altitude, centroid

Paragraph proofs, Flowcharts, or Two-column proofs

Distance formula

Midpoint formula

Construction of medians, altitudes, midsegments, centroids

Coordinate geometry to demonstrate concepts or congruence.